

WHAT IS CLAIMED IS:

1. A method for expressing a gene in a bacterial cell comprising:
providing an expression vector to a population of untransformed bacterial cells, wherein the expression vector comprises an expression cassette comprising an export protein coding sequence genetically fused to a protein of interest;
expressing the expression cassette such that an export protein::protein of interest fusion protein is produced and exported into the culture medium.
2. The method of Claim 1, wherein said bacterial cell is a *S. Typhi* cell.
3. The method of Claim 1, wherein said bacterial cell is an *Escherichia coli* cell.
4. The method of Claim 1, wherein the export protein coding sequence is selected from the group consisting of *S. Typhi clyA* gene, *S. paratyphi clyA* gene, or the *Escherichia coli clyA* gene.
5. The method of Claim 1, wherein the export protein coding sequence encodes the amino acid sequence of SEQ ID No: 2.
6. The method of Claim 1, wherein export protein coding sequence encodes the amino acid sequence of SEQ ID NO:2 with one or more mutations resulting in amino acid substitutions selected from the group consisting of amino acid substitutions at positions 180, 185, 187, and 193, which attenuate the hemolytic activity of the export protein.
7. The method of Claim 1, wherein the protein of interest is an antigen.
8. A method for eliciting an immune response from a host comprising:
providing to a subject a population of bacterial cells transformed with an expression vector comprises an expression cassette comprising an export protein coding sequence genetically fused to a protein of interest coding sequence;
expressing the expression cassette such that an export protein::protein of interest fusion protein is produced and exported into the subject; and
eliciting an immune response from the subject against the fusion protein.
9. The method of claim 8, wherein said bacterial cell is a *S. Typhi* cell.
10. The method of claim 8, wherein said bacterial cell is an *Escherichia coli* cell.

11. The method of Claim 8, wherein the export protein coding sequence is selected from the group consisting of *S. Typhi clyA* gene, *S. paratyphi clyA* gene, or the *Escherichia coli clyA* gene.

12. The method of Claim 8, wherein the export protein coding sequence encodes the amino acid sequence of SEQ ID No: 2.

13. The method of Claim 8, wherein export protein coding sequence encodes the amino acid sequence of SEQ ID NO: 2 with one or more mutations resulting in amino acid substitutions selected from the group consisting of amino acid substitutions at positions 180, 185, 187, and 193, which attenuate the hemolytic activity of the export protein.

14. The method of Claim 8, wherein the protein of interest is an antigen.

15. A system for expressing a protein of interest comprising:

an expression vector comprising an expression cassette, wherein the expression cassette comprises an export protein coding sequence genetically fused to a protein of interest coding sequence;

a host cell transformed with the expression vector; and

a culturing environment for the transformed host cell, wherein the expression cassette expresses an export protein::protein of interest fusion protein, which is exported out of the transformed host cell.

16. The method of claim 15, wherein said host cell is a *S. Typhi* cell.

17. The method of claim 15, wherein said host cell is an *Escherichia coli* cell.

18. The method of Claim 15, wherein the export protein coding sequence is selected from the group consisting of *S. Typhi clyA* gene, *S. paratyphi clyA* gene, or the *Escherichia coli clyA* gene.

19. The method of Claim 15, wherein the export protein coding sequence encodes the amino acid sequence of SEQ ID No: 2.

20. The method of Claim 15, wherein export protein coding sequence encodes the amino acid sequence of SEQ ID NO: 2 with one or more mutations resulting in amino acid substitutions selected from the group consisting of amino acid substitutions at positions 180, 185, 187, and 193, which attenuate the hemolytic activity of the export protein.